



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/775,840 Confirmation No. 1645  
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Examiner : Not Yet Assigned  
  
Title : Apparatus for Changing Wellbore Fluid Temperature  
Docket No. : 1391-46000  
Client Ref. No.: 2003-IP-011711 USA  
Customer No. : 23505  
  
Date : July 1, 2004

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**PRELIMINARY AMENDMENT**

Sir:

Please amend the above-identified application as follows.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of the claims that begins on page 8 of this paper.

**Amendments to the Drawings** begin on page 17 of this paper and include attached replacement sheets.

**Remarks/Arguments** begin on page 18 of this paper.

An **Appendix** including amended drawing figures is attached following page 19 of this paper.